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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/563,954	01/10/2006	Werner Pfeiffer	50244	3594	
1699 7,590 129662016 ROYLANCE, 7590 BERDO & GOODMAN, LL.P. 1300 19TH STREET, N.W. SUITE 600 WASHINGTON., DC 20036			EXAM	EXAMINER	
			POPOVICS, ROBERT J		
			ART UNIT	PAPER NUMBER	
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			MAIL DATE	DELIVERY MODE	
			12/06/2010	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

#### Application No. Applicant(s) 10/563.954 PFEIFFER, WERNER Office Action Summary Examiner Art Unit Robert James Popovics 1776 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 07 October 2010. 2a) ☐ This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 8-21 is/are pending in the application. 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration. 5) Claim(s) \_\_\_\_\_ is/are allowed. 6) Claim(s) 8-21 is/are rejected. 7) Claim(s) \_\_\_\_\_ is/are objected to. 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 21 January 2010 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some \* c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

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DETAILED ACTION

In view of the appeal brief filed on October 7, 2010, PROSECUTION IS

HEREBY REOPENED. Rejections are set forth below.

To avoid abandonment of the application, appellant must exercise one of the

following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply

under 37 CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed

by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and

appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth

in 37 CFR 41.20 have been increased since they were previously paid, then appellant

must pay the difference between the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by

signing below:

/Duane Smith/ Supervisory Patent Examiner

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Specification

It is requested that Applicant amend his specification to include reference to

equivalent U.S. Patents, or other English language documents if known, where non-

English patents/documents are referenced.

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#### Election/Restrictions

### Applicant's Election is again acknowledged:

Applicant again provisionally elects species 2 (Figs. 3 and 3a).

Claims 8, 9, 12-15, 18 and 19 are generic to all three species. Claims 10 and 16 read on the elected species, as well as species 3 (Figs. 4 and 4a). Claims 11 and 17 read on the elected species. Thus, all pending claims read on the elected species.

Prompt and favorable action is solicited.

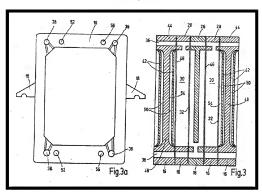
Respectfully submitted,

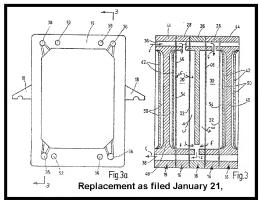
Dated: August 28, 2007

Mark S. Bieks Reg. No. 28,770

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**Elected Species** 



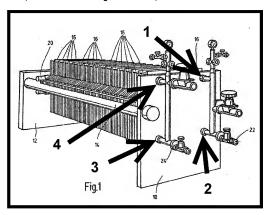


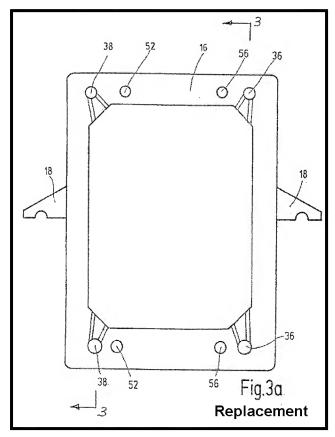
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#### Claim Rejections - 35 USC § 112

Claims 8-21 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Applicant has failed to teach those skilled in the art how fluid communication between the FOUR unlabeled ports (see annotated Figure 1 below) in "mounting plate" 10 and the EIGHT orifices/ports (38, 52, 56 and 36 in the top; 38, 52, 56 and 36 in the bottom) in the frame 16 of Figure 3a takes place.





During a **telephone interview** conducted on **December 2, 2010, Mr. Bicks** expressed the belief that one of ordinary skill in the art would know that the ports 38 and 40 (referencing non-elected Figure 2a by way of example), both being outlets or outputs, would somehow be connected. The undersigned disagreed with **Mr. Bicks** then, and continues to do so.

As depicted in Figure 1, frame 16 is pressed against "mounting plate" 10. It is unclear from the disclosure (including and considering those supplemental portions that were added years after the initial filing) how the EIGHT ports/orifices of frame 16 of Figure 3A fluidically communicate with the FOUR unlabeled ports/orifices of "mounting plate" 10 as depicted in Figure 1. The disclosure (including and considering those supplemental portions that were added years after the initial filing) fails to teach how these ports/orifices communicate with each other. For this specific technical reason, one skilled in the art would be unable practice the invention without undue experimentation.

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Additionally, it is unclear how pressure spaces 52 and pressure spaces 50 communicate with other volumes or spaces within the system. Applicant points to non-elected **Figure 4a** in his brief, asserting:

Specifically, one skilled in this art would readily recognize that pressure spaces 50 are connected to pressure channels 50 by connecting passages as shown, for example, in Fig. 4a.

These connecting passages structurally correspond to those connecting passages provided for input channels 36 and output channels 38, 40 to connect channels 36, 38, 40 to spaces 30. Since the connections to spaces 30 are admittedly adequately disclosed, the connections of spaces 50 to channels 52 are also adequately disclosed to enable one skilled in the art to make and use the claimed invention.

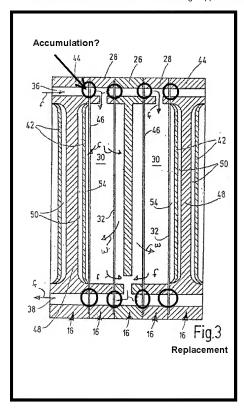
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It is unclear why the same "connecting passages" do not appear in Figure 3a.

Does the depiction in Figure 3a present a different construction, or an erroneous one, when compared to Figure 4a? But this reference to Figure 4a brings out another point of confusion. If, as shown in Figure 4a, the "output channels" 38 and 40, the "input channel" 36, and the "pressure channel" 52 all communicate with the same volume as depicted in Figure 4a, then, how is filtration accomplished? What forces the unfiltered material through the filter media? Why would the unfiltered material not immediately go from the "input channel" 36 to the "output channels" 38 and 40?

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It is unclear how "unfiltered material" flows through Applicant's filter.



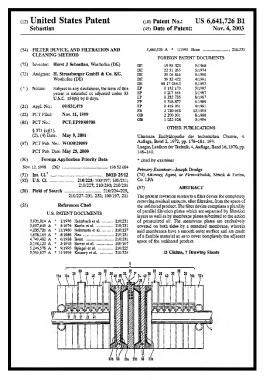
Applicant's Figure 3 et al. depict filter cloth 46 extending across "input channel" 36, and "filtrate channel" 38 at numerous locations (see Replacement Fig. 3 above which has been annotated by the undersigned with eight small circles encircling the areas having filter cloth which are in question). The passage of "unfiltered material" across the first encountered section of "input channel" 36 would appear to immediately cause that section of filter cloth to blind, or become blocked, given that it is so small in cross-sectional area and would be subject to immediate, enormous accumulation. It is unclear how other sections of filter cloth 46 would see, or be the recipient of any "unfiltered material." It is unclear why the filter cloth is at any of the encircled locations. The disclosure (including and considering those supplemental portions that were added years after the initial filing) fails to teach why filter cloth is at the locations encircled in Figure 3 above. For this specific technical reason, one skilled in the art would be unable practice the invention without undue experimentation.

#### Claim Rejections - 35 USC § 103

Claims 8-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combined teachings of Sebastian (US 6,641,726) and Kearney (US 5,366,627).

Sebastian discloses a filtration system:

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Sebastian does not appear to disclose the claimed washing steps, or the

filtration of blood fractions.

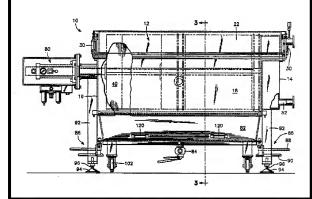
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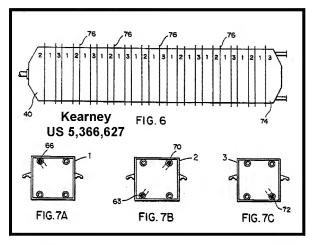
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#### US005366627A United States Patent [19] 5.366,627 [11] Patent Number: Kearney et al. [45] Date of Patent: Nov. 22, 1994 [54] ENCLOSED THOROUGH WASH FILTER FOREIGN PATENT DOCUMENTS PRESS 3814397 11/1989 Germany ..... [75] Inventors: William P. Kearney, Kingston; Primary Examiner-Matthew O. Savage George T. Quigley, Cottekill, both of Attorney, Agent, or Firm-Jacobson, Price, Holman & Stern ABSTRACT [57] [73] Assignee: Stavo Industries, Inc., Kingston, N.Y. A thorough wash operation of a process fluid is conducted within the confines of an enclosed housing. The [21] Appl. No.: 95,800 housing includes four ports at one side of the housing for transmission of process fluids through a plurality of [22] Filed: Jul. 22, 1993 press frames so as to (1) separate solids from a principal liquid to recover a valuable commodity in the solid ..... B01D 25/12 cakes formed from the principal liquid, or (2) remove contaminants from the principal liquid so as to recover .. 210/224; 210/228; 210/248; 210/772 a cleansed principal liquid, or (3) introduce a valuable [58] Field of Search .... commodity into a wash liquid from filter cakes formed from the principal liquid, which valuable commodity may subsequently be removed from the wash liquid. A [56] References Cited drip pan hopper is removably secured to a bottom of the U.S. PATENT DOCUMENTS housing. ... 210/225 842,484 1/1907 Merrill .... 4,737,285 4/1988 Krulitsch et al. ...... 210/230

#### 18 Claims, 4 Drawing Sheets





**Kearney** discloses the use of a plate and frame filtration system employing enclosed through washing means:

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# US 5,366,627 to Kearney Column 2

## SUMMARY OF THE INVENTION

By the present invention, it is now possible to conduct a thorough wash operation of a process fluid within the confines of an enclosed housing. The housing includes four ports at one side of the housing for transmission of process fluids through a plurality of press frames so as to (1) separate solids from a principal liquid to recover a valuable commodity in the solid cakes formed from the principal liquid, or (2) remove contam-30 inants from the principal liquid so as to recover a cleansed principal liquid, or (3) introduce a valuable commodity into a wash liquid from filter cakes formed from the principal liquid, which valuable commodity may subsequently be removed from the wash liquid.

Application of this invention is made, for example, to the treatment of volatile components, liquids which are easily vaporized or for high temperature liquid applications. A typical application is in the pharmaceutical industry, where blood fractions need to be separated

40 from a principal liquid.

It would have been obvious to modify the system of **Sebastian** by employing a through washing scheme as taught by **Kearny** in order to recover valuable commodities, such as blood products, as expressly taught by **Kearney** in the passage above.

#### Response to Arguments

Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection. This action is **NOT FINAL**.

#### Comment on Appeal Brief

The "Summary of the Invention" in the Brief submitted on October 7, 2010 refers almost exclusively to figures depicting a non-elected species. Any future "Summary of the Invention" shall refer to drawings depicting the <a href="elected species">elected species</a>.

Any inquiry concerning this communication should be directed to Robert James Popovics at telephone number (571) 272-1164.

> /Robert James Popovics/ Primary Examiner Art Unit 1776